Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/02/2015 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124042	-1	1.48	123908	1.45
Blue	F	SSC	125000	122731	-2	2.22	123550	1.93
Blue	E	FITC	17374	16818	-4	2.22	949	8.38
Blue	D	PE	22653	21945	-4	1.85	991	7.44
Blue	B	PerCP-Cy5-5	64987	63480	-3	2.47	1675	12.17
Blue	A	PE-Cy7	74081	71676	-4	3.52	943	22.65
Red	C	APC	61430	60530	-2	2.71	3422	7.87
Red	A	APC-Cy7	88289	87369	-2	2.82	1722	7.67
Violet	B	V450	12535	12183	-3	2.89	754	7.04
Violet	A	V500	47468	45760	-4	2.45	2588	4.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20127	3.93	579	0	N/A	N/A	Pass
Blue	F	SSC	61358	1.31	490	1	N/A	N/A	Pass
Blue	E	FITC	104	33.36	510	1	0.0283	103	Pass
Blue	D	PE	206	22.52	502	1	0.1984	121	Pass
Blue	B	PerCP-Cy5-5	205	35.88	581	1	0.0128	0	Pass
Blue	A	PE-Cy7	72	88.96	637	0	0.0180	9	Pass
Red	C	APC	318	25.92	571	1	0.0232	56	Pass
Red	A	APC-Cy7	109	36.31	547	1	0.0053	747	Pass
Violet	B	V450	82	37.07	447	-2	0.0634	2017	Pass
Violet	A	V500	173	19.97	475	-3	0.0189	429	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/02/2015 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.60	-31.33	0.90
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.31
Red	15.90	13.07 - 19.61	N/A	N/A	31.85	32.07	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14020

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments